the environment, which is why new sources of energy production are being actively introduced and used.

To begin with it is to solve the problem of air pollution throughout, so Canadian scientists are actively developing new technologies. The Canadian company for the delivery of fresh air from the Rocky Mountains region today is special demand among the residents of the Chinese cities. That is why Canadians sell air ti the people of China to improve their quality. Modern messenger has a wealth of inexhaustible resources. Since use of oil leads to more dangerous effects.

Consequently, in the future the active use of unmanned automobilies is planned. In particular in helping to spy on offenders Canadian futurist entrepreneur Charles Bombardier offered the idea of an autonomous electric motorcycle that could work in the service of law enforcement. This electric bike will perform basic functions. Monitor compliance with the rules Environmental problems require immediate.

Mostly Canada seeks solutions to these problems. Uses modern technology, invites the best scientists. To avoid environmental pollution from automobiles, Csnadians are actively using electric cars. For example, a project to create a threewheeled electric car in Canada was planned for 2016. And already in 2019, preorders were received for 2, 4 billion.

Therefore Canada wants to improve the petrol system as well solve as problems on the roads, reduce the number of crimes. The country urges humanity to solve problems on to save human lives. Canada by its example seeks to teach the world to value human life, protect the environment and build a bright future. As the request Canada is introducing modern technologies into all branches of production in order to live on the Earth better.

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IMPROVING THE REQUIREMENT FOR COLORS OF THE STATE FLAG OF UKRAINE

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In determining the conformity of the color sample, which is further used to create the State Flag of Ukraine (hereinafter - the flag), the norms established by the current standard State standard of Ukraine "Derzhavnyi Prapor Ukrainy. Zahalni tekhnichni umovy are used [State Flag of Ukraine. General specifications]" (hereinafter – DSTU 4512) [1]. The requirements of this standard should apply to the flag made from fabrics. This standard establishes the general technical conditions for its production, as well as the requirements for the reproduction of the

colors of the flag in the printing industry and paint and varnish materials using. The conditions for determining the colors of the flag on the chromaticity diagram *xyY* (see Diagram 1) are given in the standard DSTU 4512 (Section 4.2) using the coordinate table of the points that are limiting the planes of the permissible coordinates of the yellow and blue colors shown in the Diagram 1.

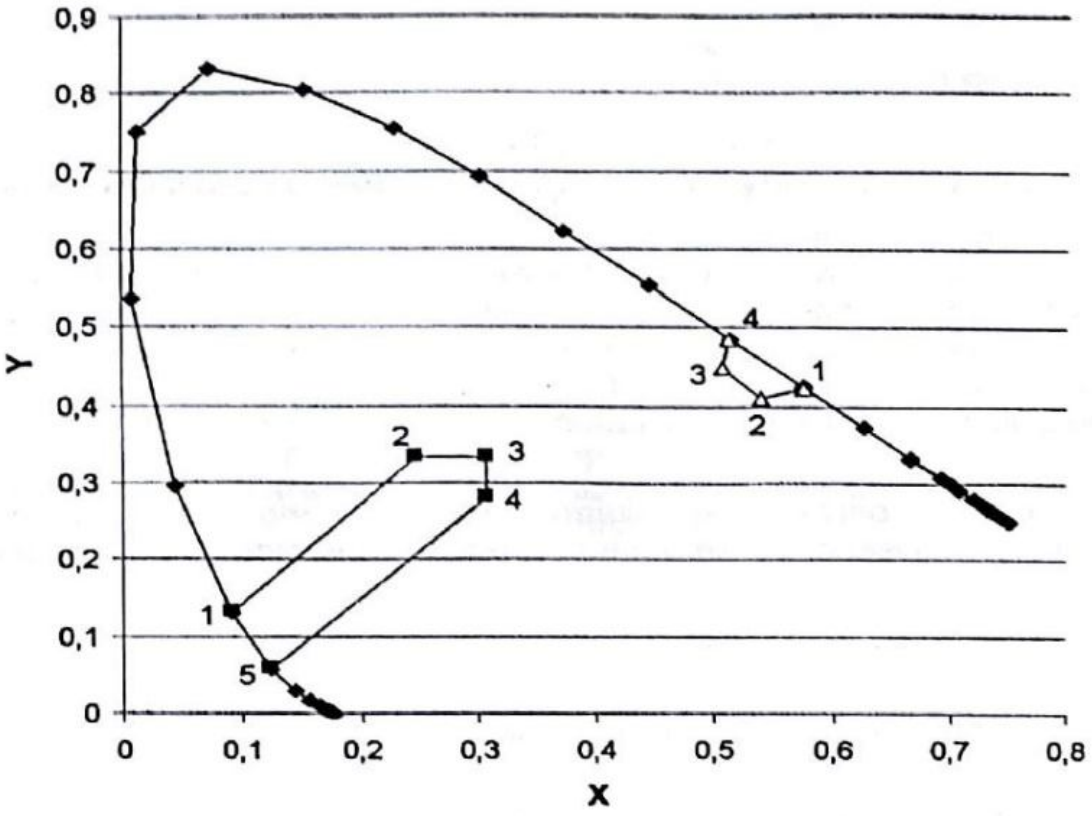

Diagram. 1 - Schedule of color areas for the bands of the State Flag of Ukraine [1]: ▲ – yellow, ■ – blue

Measurement of the color characteristics is carried out using special instruments - colorimeters and spectrophotometers. However, on the basis of the requirements given in DSTU 4512 [1], the necessary accuracy of measuring of the colors of the State Flag of Ukraine is not established and, therefore, it is impossible to specify whether the instrument is capable for ensuring the quality of current measurements when controlling the color of the flags. Besides the DSTU 4512 does not indicate the conditions of measurement in which the values of chromatic coordinates such as: light source, measurement angle, step of measurement etc. will be established.

Diagram 2 was made with the positioning of the wavelengths according to their coordinates [2].

As the result of the research, the following regularities are obtained:

1) the colored areas for the bands of the State Flag of Ukraine, given in DSTU 4512, do not coincide with the wavelengths, however, in case of yellow color, the indicated area is within the permissible wavelengths;

2) the DSTU 4512 does not establish the necessary accuracy for the measurement of the colors of the State Flag of Ukraine;

3) the DSTU 4512 does not give any characteristics for measuring the chromatic coordinates of the colors of the State Flag of Ukraine.

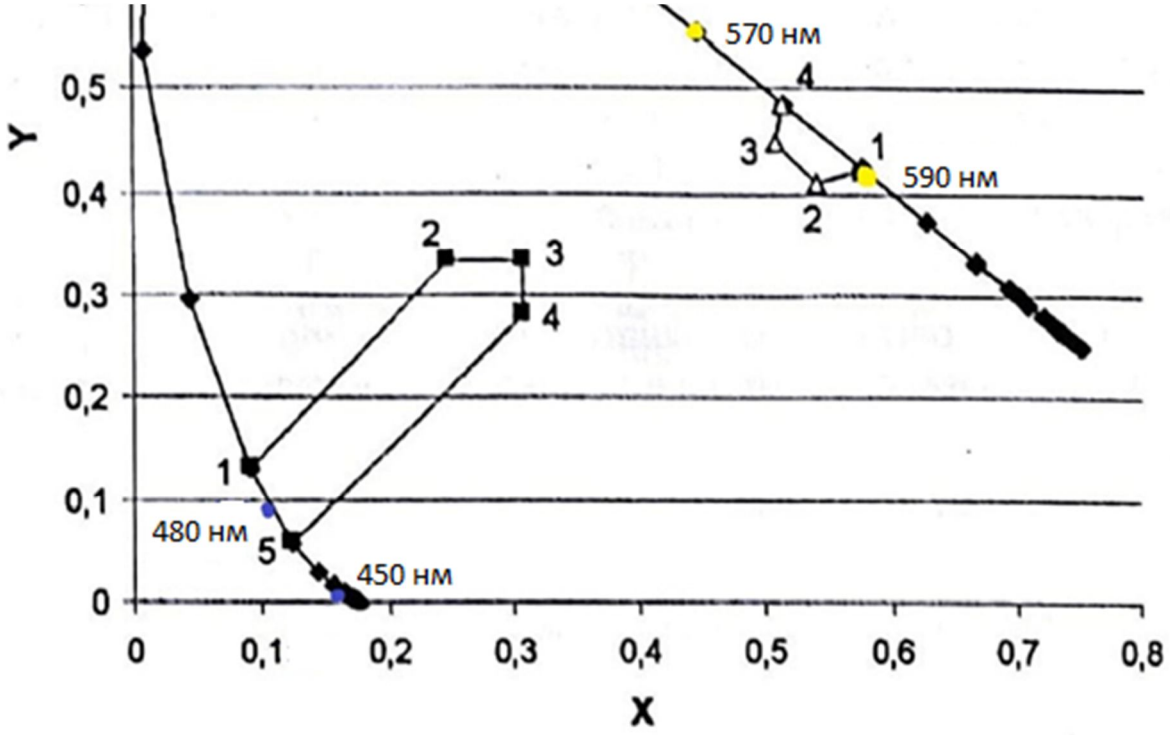

Diagram 2 - Schedule of color areas for the bands of the State Flag of Ukraine with the symbol of the positions of wavelengths belonging to the blue and yellow colors.

Conclusions

Consequently, it is suggested to set the limits of the permissible values for the error of measuring the coordinates of the color of the State Flag of Ukraine, or to change the shape of the areas of yellow and blue colors given in the DSTU 4512, setting them symmetrically. In addition, it is necessary to adjust and more precisely place the planes that limit the value of the colors of the State Flag of Ukraine. It should also be noted that the DSTU 4512 does not set the established conditions for the chromatic coordinates.

References

1. State Standard of Ukraine "Derzhavnyi Prapor Ukrainy. Zahalni tekhnichni umovy [State Flag of Ukraine. General specifications]" (in Ukrainian), 2006.

2. Hunt R.W.C. The Reproduction of colour. - 6th edition. – John Wiley & Sons, 2004. 724 p.